

Purchase Order Receipt Listing

Thursday, July 20, 2017 2:43:19 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO36887 Receipt Dates from 7/20/2017 to 7/20/2017 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VU-MET002 A.M. Castle & Co. (Canada) Inc.- C/O 910720											
PO36887	1		M7075T6S1.000X2.5 f 2.5 00 DAS 5		7/24/2017 12.0000	7/20/2017	12.0000		0.0000	0	\$0.00
USD	No		7075-T6S Sheet 2.5" f Wide x 1" Thick Plate m138086		12.0000	PLOU01			0.0000	0	
	2		M7075T6S1.500X1.5 f 1.5 00 DAS 5		7/24/2017 12.0000	7/20/2017	12.0000		0.0000	0	\$0.00
	No		7075-T6S Sheet 1.5" f Wide x 1.5" Thick Plate m138086		12.0000	PLOU01			0.0000	0	
	3		M7075T6S.375X5.0 f 5 0 DAS 5		7/24/2017 24.0000	7/20/2017	24.0000		0.0000	0	\$0.00
	No		7075-T6 Sheet 5" f Wide x .375" Thick Plate m138086		24.0000	PLOU01			0.0000	0	
	4		M7075T6S1.000X5.0 f 5 0 DAS 5		7/24/2017 12.0000	7/20/2017	12.0000		0.0000	0	\$0.00
	No		7075-T6 Sheet 5" f Wide x 1" Thick Plate m138086		12.0000	PLOU01			0.0000	0	
	5		M7075T73B3.000X4. f 5 00 DAS 5		7/24/2017 8.0000	7/20/2017	8.0000		0.0000	0	\$0.00
	No		7075-T73 Bar 3.0 x 4.0 grain direction along 3" m138086		8.0000	PLOU01			0.0000	0	

Total Received Quantity: 68.0000
Total Qty to Inspect (PO U/M): 0.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$0.00
Total Balance Due Quantity: 0.0000

INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Page 1 of 2

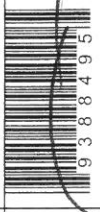
Shipment No:3329949

Ship From: A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 13-JUL-17	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier ABF	BOL No 3329949-2			

Shipment Details

Order No	Line No	Item No	Description
4816985	2	750412.MO	1.5000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 1.5 IN (+ .1250/- .0000 IN) X 144.5 IN () - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No 36887	Part Number	Ordered Qty 1.00 PCS	Invoice Qty 1.00 PCS

Details
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S
Email P/s and certs to: clavoie@dartaero.com
END USER: DART AEROSPACE
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No. 121179012	Mill	Heat Number 	Mech Id 1	PCS 1	Width (IN)	Length (IN)	Shipped Qty(LBS) 33.5163
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These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

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Date Printed: 13-JUL-2017 01:33:20 PM

INTERORG TRANSFER
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Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

Am. Union & Rep. of
A.M. Castle & Co.
L-40 RS

887720



Constellium



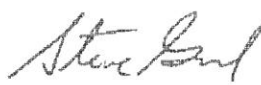
CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539777		4075		INCLUSION		Serial:20170527-0110539777		Pg 1of2				
CUSTOMER PURCHASE ORDER NO. & ITEM 420827						Constellium ORDER NO. 204516								
ALLOY 7075		CLAD		TEMPER T651		GAUGE 1.50000 in 38.10 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager								
CUSTOMER SPECIFICATION AMS QQ-A-250/12A														
PART NUMBER 750412			B/L NUMBER 81405									DATE SHIPPED 05/29/2017		
WT. SHIPPED 4200.000 LB		NO. OF PIECES 000004		GOVT. CONTRACT NO.										

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125"DEADZONE Class A
AMS 4045K
AMS STD-2454A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE
ASTM B209-14
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

Package	Net Lbs	Kg	Lot	9-89	Serial	Parent Lot
1001522467	1,050.000	476.272	9388495	01		
1001522467	1,050.000	476.272	9388495	02		
1001522467	1,050.000	476.272	9388495	03		
1001522467	1,050.000	476.272	9388495	04		

Lot: 9388495

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	80.7	81.3	69.8	71.4	12.0	12.0	





Constellium



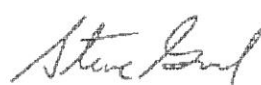
CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539777		4075		INCLUSION		Serial:20170527-0110539777		Pg 2of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 420827						Constellium ORDER NO. 204516					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.50000 in 38.10 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER 750412		B/L NUMBER 81405		DATE SHIPPED 05/29/2017							
WT. SHIPPED 4200.000 LB		NO. OF PIECES 000004		GOVT. CONTRACT NO.							

Tensile - Room Temperature (SI)

		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	556	561	481	492	12.0	12.0	

Chemistry (Actual)

	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.08	0.18	1.41	0.04	2.63	0.21	5.50	0.03	0.00

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS:
AMC CA-15403A R 7

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT

WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399

WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557

DUNS Number: 090570149; CAGE Code: 1YWL9

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.

"END OF CERTIFICATION"



INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No:3329949

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Date Shipped 13-JUL-17	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier ABF	BOL No 3329949-2			

Shipment Details

Order No	Line No	Item No	Description
4816985	1	752188.MO	1.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 2.5 IN (+ .1250/- .0000 IN) X 144.5 IN () - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No 36887	Part Number		Ordered Qty 1.00 PCS
			Invoice Qty 1.00 PCS

Details
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S
Email P/s and certs to: clavoie@artaero.com
END USER: DART AEROSPACE
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No. 121179012	Mill	Heat Number 9 3 8 7 9 9 1 1	Mech Id DAS 5	PCS 1	Width (IN)	Length (IN)	Shipped Qty(LBS) 37.6174
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Reviewed by Authorized Castle Metals Representative:	
	
Date:	Name:

8077-7-20



Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 1of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735					
ALLOY 7075		CLAD		TEMPER T651		GAUGE 1.00000 in 25.40 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188				B/L NUMBER 81388				DATE SHIPPED 05/29/2017			
WT. SHIPPED 5770.000 LB				NO. OF PIECES 000008				GOVT. CONTRACT NO.			
										<p>CERTIFICATION</p> <p>"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."</p> <p>Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p><i>Steve Good</i></p> <p>Steve Good - Laboratory Manager</p>	

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125"DEADZONE Class A
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ASTM B209-14
BSS 7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001522455	725.000	328.854	9387991	01		
1001522455	725.000	328.854	9387991	02		
1001522455	725.000	328.854	9387991	03		
1001522460	725.000	328.854	9387992	01		
1001522460	725.000	328.854	9387992	02		
1001522460	725.000	328.854	9387992	03		
1001522466	710.000	322.050	9387993	01		
1001522466	710.000	322.050	9387993	02		

Lot: 9387991

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	79.8	80.5	70.1	72.3	13.0	13.0	





Constellium



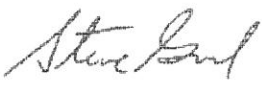
CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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US

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Tensile - Room Temperature (SI) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>550</td> <td>555</td> <td>483</td> <td>498</td> <td>13.0</td> <td>13.0</td> <td></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	550	555	483	498	13.0	13.0	
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Constellium



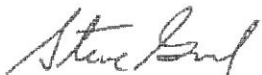
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PART NUMBER 752188			B/L NUMBER 81388		DATE SHIPPED 05/29/2017																																	
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Tensile - Room Temperature (SI) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>554</td> <td>556</td> <td>493</td> <td>496</td> <td>12.5</td> <td>13.5</td> <td></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	554	556	493	496	12.5	13.5	
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																														
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	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																													
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01																													
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																						
All material contained in this lot was cast and manufactured in the USA																																						
Lot: 9387993																																						
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Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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T
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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539772		4075		INCLUSION		Serial: 20170527-0110539772		Pg 4of4																															
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735																																			
ALLOY 7075		CLAD		TEMPER T651		GAUGE 1.00000 in 25.40 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm																															
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																									
CUSTOMER SPECIFICATION AMS 4045K																																									
PART NUMBER 752188				B/L NUMBER 81388				DATE SHIPPED 05/29/2017																																	
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Steve Good - Laboratory Manager																																									
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QUALITY TEXTS: AMC CA-15403 R 8																																									
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YWL9 Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"																																									



INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE


Page 1 of 2

Shipment No: 3325226

Ship From: A. M. CASTLE & CO. 14001 ORANGE AVENUE PARAMOUNT, CA 90723 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 07-JUL-17	F.O.B. ORIGIN	Freight Terms Prepaid		Carrier UPS	BOL No 3325226-2		

Shipment Details			
Order No	Line No	Item No	Description
4816985	6	752132.MO	4.0000.PL.7075.17351.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 48.5 IN (GRAIN TO RUN ALONG 3") X 3 IN (+ .1250/- .0000 IN (GRAIN TO RUN ALONG 3") - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No 36887	Part Number		Ordered Qty 2.00 PCS
Details		Invoice Qty 2.00 PCS	

ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S
Email P/s and certs to: clavoie@dartaero.com
END USER: DART AEROSPACE
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No. 121167276	Mill	Heat Number  229504B6	Mech Id DAS 5 9-89	PCS 2	Width (IN)	Length (IN)	Shipped Qty(LBS) 120.6208
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Signature: SP 7-7-20

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

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Date Printed: 07-JUL-2017 04:08:29 PM

INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	
Date:	Name:

8017-7-20



Castle Metals®

A.M. Castle & Co.

INTRA-COMPANY TRANSFER PROFORMA INVOICE

Vendor (Name and Address) A.M. Castle & Co. - LOS ANGELES - CASTLE METALS A. M. Castle & Co. 14001 ORANGE AVENUE PARAMOUNT, CA 90723		Date of Direct Shipment 12-JUL-17	
Tax Registration Number: 36-0879160		Other References (Include Bill of Lading No.) 3325226-2	
Consignee (Name and Address) A.M. Castle & Co. - TORONTO - CASTLE METALS A. M. Castle & Co. (Canada) Inc. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7		Purchaser (Name and Address) A.M. Castle & Co. - TORONTO - CASTLE METALS A. M. Castle & Co. (Canada) Inc. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7	
Tax Registration Number: 13835 3438 RC0001		Tax Registration Number: 13835 3438 RC0001	
Transportation UPS		Conditions of Sale and Terms of Payment 1% 10, NET 30	
INCO Term: DDP - MISSISSAUGA, ON, L5N 2K7, CAN		Currency of Settlement USD	

Place PRO Number Here

Item	Specs of Commodities				Tariff Code	Export License		ECCN	ITAR
752132.MO	4.0000.PL.7075.T7351.ALUMINUM	US1.48.5000.144.5000	Heat	7606123030	US	Units	UOM	Price per Unit	Total Price
	4816985-6-1	1	120.62 LBS	229504B6		2.00	NLR	EAR99	N/A
							PCS	\$2.5305	\$305.22

Invoice Package Total		Invoice Total	
1	Net 120.62	Gross 142.62	\$305.22

* Price per UOM and Total Price have been adjusted to include Processing and Handling Charges if applicable.

Originator (Name and Address)
A.M. Castle & Co. - Los Angeles
14001 ORANGE AVENUE
050372560
PARAMOUNT, CA 90723 UNITED STATES

Signature:

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

7/7/2017 15:59 PM

SHIP TO: A M CASTLE & CO 14001 ORANGE AVE P.O. BOX 1402 PARAMOUNT, CA 90723
SOLD TO: AM CASTLE & CO- SOLD TO 1420 KENSINGTON RD SUITE 220 OAK BROOK, IL 60523

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
 Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number

4466591

CUSTOMER PO NUMBER: 424640-1	WORK PACKAGE:	CUSTOMER PART NUMBER: 752132	SHIP RUN/LOAD: 103951/20	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1237311-1	SHIP DATE: 13-JUN-2017	ALLOY: 7075	CLAD: BARE	TEMPER: T7351
PRODUCT DESCRIPTION: KaiserSelect Plate				
WEIGHT SHIPPED: 5686 LB	QUANTITY: 2 PCS EST.	TRUCK B/L #: 2067360	GAUGE: 4.0000 IN (101.6000 MM)	DIAMETER/WIDTH: 48.500 IN (1231.9 MM)
			LENGTH: 144.500 IN (3670.3 MM)	

MHU 2117771: LOT 799486A6: 1 pieces;

MHU 2122630: LOT 229504B6: 1 pieces;

Certified Specifications

AMS 4078/RevJ
 ASTM B 209/Rev14
 BSS 7055/RevB
 DPS 4.713/RevAK
 MMS 159/RevT

AMS-QQ-A-250/12/RevA
 ASTM B 594/Rev13
 CMMP 025/RevV
 GAMP5 9101/RevB/AmdSCN1
 PS 21211/RevP

AMS-STD-2154/RevA
 BAC 5439/RevJ
 CSTI 006/RevE
 GSS16100/RevG/Amd1

DAS Test Code: 4297

5
9-89

Lot: 229504B6

Cast 472

Drop 29

Test Results

Ingot 5

Melted in USA

(ASTM E8/B557)
 (EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	62.9 : 63.9 (434 : 441)	49.6 : 50.6 (342 : 349)	10.6 : 10.7

(ASTM E1004)
 (EN 2004-1)

Conductivity %IACS :	41.3 Min	41.3 Max
(MS/M) :	24.0 Min	24.0 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.15	1.5	0.03	2.4	0.20	5.5	0.03	0.01	0.02	TOT 0.05





Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4466591

Lot: 799486A6 Cast 407 Drop 62 Ingot 5 Parent Lot: 217423B3 Melted In USA

(ASTM E8/B557)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	61.7 : 63.9 (425 : 441)	48.4 : 50.8 (334 : 350)	10.9 : 11.1

(ASTM E1004)
(EN 2004-1)

Conductivity %IACS :	42.2 Min	42.6 Max
(MS/M) :	24.5 Min	24.7 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.17	1.5	0.02	2.5	0.21	6.0	0.03	0.01	0.02	TOT 0.06

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15413E R 6

TEST NOTES

Metal represented by this test report was 100% Type I
(immersion) ultrasonically tested from one side with 3mm
dead zones top and bottom and meets the Class A and Class B
requirements of all specifications referenced on this test
report. No surface marking of sonic indications is
performed.

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.

All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.

* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.

* has been thermally processed in compliance with AMS 2772, where applicable.

* is mercury free, within the limits of detection of ASTM E1216 (< 1 ppm).

* is in compliance with RoHS 2, European Union Directive 2011/65/EU.

* is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.

* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

* is free of weld repair.

* meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER


INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No:3329949

Ship From: A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN	Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped 13-JUL-17	F.O.B. ORIGIN	Freight Terms Prepaid	Carrier ABF	BOL No 3329949-2

Shipment Details

Order No	Line No	Item No	Description			
4816985	4	752188.MO	1.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 5 IN (+ .1250/- .0000 IN) X 144.5 IN () - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12			
Purchase Order No 36887	Part Number	Ordered Qty 1.00 PCS	Invoice Qty 1.00 PCS			
Details ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS						
Delivery No. 121179012	Mill	Heat Number  DAS 5 9-89	Mech Id PCS 1	Width (IN)	Length (IN)	Shipped Qty(LBS) 75.2348

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 13-JUL-2017 01:33:20 PM

INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A. M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	
	
Date:	Name:

SP17-7-20



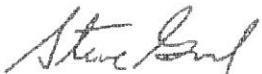
CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

S
O
L
D
T
O

A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 1of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 232 mm	LENGTH 144.50000 in 3,670 mm	CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188		B/L NUMBER 81388		DATE SHIPPED 05/29/2017							
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A
AMS QQ-A-250/12A
AMS STD-2164A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE
ASTM B209-14
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CST1005 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001522455	725.000	328.854	9387991	01		
1001522455	725.000	328.854	9387991	02		
1001522455	725.000	328.854	9387991	03		
1001522460	725.000	328.854	9387992	01		
1001522460	725.000	328.854	9387992	02		
1001522460	725.000	328.854	9387992	03		
1001522466	710.000	322.050	9387993	01		
1001522466	710.000	322.050	9387993	02		

Lot: 9387991

Tensile - Room Temperature (US)

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	79.8	80.5	70.1	72.3	13.0	13.0	





Constellium



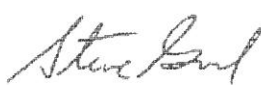
CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 2of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188		B/L NUMBER 81388		DATE SHIPPED 05/29/2017							
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

Tensile - Room Temperature (SI)

		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	550	555	483	498	13.0	13.0	

Chemistry (Actual)

	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9387992

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	80.3	80.6	71.5	72.0	12.5	13.5	





Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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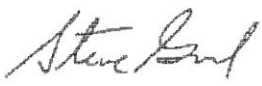
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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 3of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188		B/L NUMBER 81388		DATE SHIPPED 05/29/2017							
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

Tensile - Room Temperature (SI)								
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	554	556	493	496	12.5	13.5	

Chemistry (Actual)									
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

Lot: 9387993

Tensile - Room Temperature (US)								
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	79.9	80.8	70.4	71.5	13.0	13.5	





Constellium




CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 4of4																												
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PART NUMBER 752188				B/L NUMBER 81388				DATE SHIPPED 05/29/2017																														
WT. SHIPPED 5770.000 LB				NO. OF PIECES 000008		GOVT. CONTRACT NO.																																
										 Steve Good - Laboratory Manager																												
Tensile - Room Temperature (SI) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>551</td> <td>557</td> <td>485</td> <td>493</td> <td>13.0</td> <td>13.5</td> <td></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	551	557	485	493	13.0	13.5	
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																														
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Chemistry (Actual) <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.05</td> <td>0.16</td> <td>1.38</td> <td>0.03</td> <td>2.48</td> <td>0.20</td> <td>5.45</td> <td>0.04</td> <td>0.01</td> </tr> </tbody> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01							
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OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																						
All material contained in this lot was cast and manufactured in the USA																																						
QUALITY TEXTS: AMC CA-15403 R 8																																						
<p>THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.</p> <p>CHEMISTRIES BY OES: ARKSPARK</p> <p>CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT</p> <p>WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399</p> <p>WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; 8557</p> <p>DUNS Number: 090570149; CAGE Code: 1YWLG</p> <p>Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.</p> <p>"END OF CERTIFICATION"</p>																																						



**INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE**

Page 1 of 2

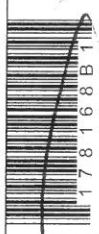
Shipment No:3329949

Ship From: A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 13-JUL-17		F.O.B. ORIGIN		Freight Terms Prepaid		Carrier ABF	
						BOL No 3329949-2	

Shipment Details

Order No	Line No	Item No	Description
4816985	3	750067.MO	0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT LENGTH TO 5 IN (+ .1250/- .0000 IN) X 144.5 IN () - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
Purchase Order No 36887	Part Number		Ordered Qty 2.00 PCS
			Invoice Qty 2.00 PCS

Details
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S
Email P/s and certs to: clavoie@dartaero.com
END USER: DART AEROSPACE
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No. 121179012	Mill	Heat Number  178168B1	Mech Id	PCS 2	Width (IN)	Length (IN)	Shipped Qty(LBS) 56.7726
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8877-20



These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 13-JUL-2017 01:33:20 PM

INTERORG TRANSFER
PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	
 William R. Rogers	
Date:	Name:

SP17-7-20

SHIP TO:

A M CASTLE & CO
3050 SOUTH HYDRAULIC
WICHITA, KS 67216

**KAISER
ALUMINUM**

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number

4431950

SOLD TO:

AM CASTLE & CO- SOLD TO
1420 KENSINGTON RD
SUITE 220
OAK BROOK, IL 60523

CUSTOMER PO NUMBER: 385598-1	WORK PACKAGE:	CUSTOMER PART NUMBER: 750067	SHIP RUN/LOAD: 103675/E	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1215472-1	SHIP DATE: 5-SEP-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T651
PRODUCT DESCRIPTION: Sawed Plate	WEIGHT SHIPPED: 3332 LB	QUANTITY: 12 PCS EST.	TRUCK B/L #: 2062279	GAUGE: 0.3750 IN (9.5250 MM)
DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)			

MHU 2026201: LOT 178168B1: 12 pieces;

Certified Specifications

AMS 4045/RevL
CMMP 025/RevV

AMS-QQ-A-250/12/RevA

ASTM B 209/Rev14

Test Code: 1512

Lot: 178168B1

Cast 211

Drop 65

Test Results

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	85.1 : 85.8 (587 : 590)	75.6 : 76.2 (521 : 525)	12.8 : 13.6

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.17	1.5	0.03	2.5	0.19	5.7	0.03	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS

AMC CA-15409 R 3

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4431950

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- * All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1218 (< 1ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- * is free of Conflict Minerals as defined in Section 15.2 of the Dodd-Frank Act.
- * is free of weld repair.
- * meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on this certificate may be punished as a felony under federal law.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 1 of 5

Order From :

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

EMAILED
JUN 29 2017

Contact Name
Vendor Phone

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB Destination-Collect

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M7075T6S1.000X2.500	7075-T6S Sheet 2.5" Wide x 1" Thick Plate	7/24/2017 Yes 7/24/2017	FN	12.00 f	\$30.42	\$365.04

MAT'L 7075-T6/T62 ALUMINUM SHEET
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total: \$365.04

2	M7075T6S1.500X1.500	7075-T6S Sheet 1.5" Wide x 1.5" Thick Plate	7/24/2017 Yes 7/24/2017	FN	12.00 f	\$21.06	\$252.72
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MAT'L 7075-T6/T62 ALUMINUM SHEET
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

SPR-720

Note:

6/29/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 2 of 5

Order From :

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

Line Total: \$252.72

3

M7075T6S.375X5.000

7075-T6 Sheet 5" Wide x
.375" Thick Plate

7/24/2017 FN

24.00

\$18.10

\$434.40

Yes

7/24/2017

MAT'L 7075-T6/T62 ALUMINUM SHEET
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total: \$434.40

4

M7075T6S1.000X5.000

7075-T6 Sheet 5" Wide x
1" Thick Plate

7/24/2017 FN

12.00

\$21.75

\$261.00

Yes

7/24/2017

MAT'L 7075-T6/T62 ALUMINUM SHEET
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total:

\$261.00

Note:

6/29/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36887**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 3 of 5

Order From :
METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB Destination-Collect

5	M7075T73B3.000X4.000	7075-T73 Bar 3.0 x 4.0 grain direction along 3"	7/24/2017	8.00	\$101.00	\$808.00
		Yes	f			
		7/24/2017				

MATERIAL: 7075-T73/T7351/T73510/T73511 BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 OR AMS 4124 OR AMS-QQ-A-250/12 OR AMS 4078

NOTE: GRAIN DIRECTION MUST RUN ALONG 3" WIDE 2PCS CUT AT 4 FT LONG

8017-7-20

Line Total:

\$808.00

6	D6101-005P	7075-T7351 8.25X5.0X2.5	7/24/2017	20.00	\$36.20	\$724.00
		Yes	Each			
		7/24/2017				

AS PER DWG.D6101 REV.B
B163265
SIZE: 5.00" X 8.250" X 2.50" THICK
GRAIN DIRECTION ALONG 5.00" LENGHT
MATERIAL: 7075-T7351 QQ-A-250/12
TOLERANCE AS PER QUOTE +.030"/-.000"

Line Total:

\$724.00

Note:

6/29/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 4 of 5

Order From :

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

7	D6102-013P	6061-T6 7.0X6.5X2.0	7/24/2017 Yes 7/24/2017	50.00 Each	\$31.65	\$1,582.50
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AS PER DWG D6102 REV. D
B163266
SIZE: 7.000" X 6.500" X 2.00" THICK
GRAIN DIRECTION ALONG 6.500"
MATERIAL 6061-T6/T6511 QQ-A-250/11
TOLERANCE AS PER QUOTE +.030"/-.000

SP17-7-18

Line Total: \$1,582.50

8	D6103-003P	Round Alum Billet	7/24/2017 Yes 7/24/2017	10.00 Each	\$60.40	\$604.00
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AS PER DWG D6103 REV. B
B163267
MATERIAL: 7075-T7351 AS PER QQ-A-225/9
SIZE: 3.500" X 12.500" LONG

Recu 11x

SP17-7-6

Line Total: \$604.00

Note:

6/29/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 5 of 5

Order From :

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W OE9
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB Destination-Collect

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

9	D6104-005P	17-4 SS Roundbar 4.00"Od	7/24/2017 Yes 7/24/2017	10.00 Each	\$54.20	\$542.00
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AS PER DWG D6104 REV. B
B163268
MATERIAL: 17-4 PH AS PER AMS 4643 OR AISI 630
SIZE: 4.00" X 5.10" LONG

Line Total: \$542.00

10	71401-45	PROCUREMENT QUALITY CLAUSES	7/24/2017 No 7/24/2017	1.00	\$0.00	\$0.00
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Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Line Total: \$0.00

PO Total: \$5,573.66

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 6/29/2017

Chantal Lavoie

From: Desbiens, Marc <mdesbien@amcastle.com>
Sent: Tuesday, June 27, 2017 4:42 PM
To: Chantal Lavoie
Subject: RE: quote

Hi Chantal,

price and delivery on material.

7075-t6 bar (plate) 1" x 2.5" x 12 ft \$ 30.42 FT 2-3 weeks
7075-t6 bar (plate) 1.5" x 1.5" x 12 ft \$ 21.06 FT 2-3 weeks
~~7075-t6 bar (plate) 2.250" x 2.750" x 12 ft Offer 2.50" thk \$ 45.85 FT 2-3 weeks~~
~~7075-t6 bar (plate) 4" x 4" x 5 pcs cut at 32" \$ 254.00 piece (mid August)~~
7075-t6 bar (plate) 5" x 0.375" x 24 ft \$ 18.10 FT 2-3 weeks
7075-t6 bar (plate) 5" x 1" x 12 ft \$ 21.75 FT 2-3 weeks

7075-t76 bar 3" x 4" x 2 pcs cut at 4 ft grain direction along 3"
offer 7075-T73 \$ 404.00 piece 2-3 weeks

Thanks

Marc Desbiens
Inside sales representative
Castle Metals, Montreal, QC
Direct line 514-795-8176
1-800-806-6660 ext 52226
Fax # 1-855-892-6370
Customized Supply Chain Solutions for Your Metal Needs

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